

**WASHINGTON STATE DEPARTMENT OF HEALTH
OFFICE OF FOOD SAFETY AND SHELLFISH PROGRAMS**

ANNUAL GROWING AREA REVIEW

PREPARED BY: Jerry Lukes, Environmental Specialist

AREA: Port Gamble

YEAR ENDING: December 31, 2005

CLASSIFICATION: Approved

ACTIVITIES IN THE GROWING AREA IN 2005:

Samples were collected from each station in the growing area 6 times during the year using the systematic random sampling method.

ANALYTICAL RESULTS OF WATER SAMPLES:

Table #1 summarizes the results of all samples collected from the area. This summary shows that all stations in the area pass the NSSP water quality standard. Station number #67 is threatened due to elevated bacteria levels. Individual sample results for station #67 are shown in Table #2.

CHANGE IN ACTUAL POLLUTION SOURCES THAT IMPACT THE GROWING AREA:

We currently have no information indicating that the area has new sources of pollution.

CLASSIFICATION STATUS:

- ☐ Well within the classification standards
- ☐ Meets standards but some concerns
- ☒ Meets standards but threatened with a downgrade in classification
- ☐ Fails to meet classification standards

REMARKS AND RECOMMENDATIONS:

Table #1 shows that all stations meet the NSSP water quality standards for approved classification and the area is correctly classified. The west shoreline remains in a closed status due to chemical contamination concerns.

TABLE 1
SUMMARY OF MARINE WATER DATA (SRS)
 Growing Area: **PORT GAMBLE**
 Classification: **Approved, Prohibited**
 From **12/18/2000** To **12/19/2005**
FECAL COLIFORM ORGANISMS/100 ML

Station Number	Classification	Number of Samples	Range	Geometric Mean	Est. 90th Percentile	Meets Std.
56	Approved	31	1.7 - 13.0	2.1	4.0	Yes
57	Approved	31	1.7 - 9.3	2.2	4.0	Yes
58	Approved	31	1.7 - 130.0	2.6	9.0	Yes
59	Approved	30	1.7 - 11.0	2.1	4.0	Yes
60	Approved	31	1.7 - 17.0	2.4	6.0	Yes
61	Approved	31	1.7 - 21.0	2.1	4.0	Yes
62	Approved	31	1.7 - 13.0	2.1	4.0	Yes
63	Approved	32	1.7 - 17.0	1.9	3.0	Yes
64	Approved	31	1.7 - 11.0	2.2	4.0	Yes
65	Approved	31	1.7 - 49.0	3.0	11.0	Yes
66	Approved	31	1.7 - 31.0	3.5	9.0	Yes
67	Approved	31	1.7 - 1,600.0	5.5	39.0	Yes
55	Prohibited	32	1.7 - 7.8	1.8	2.0	Yes

All tides information is presented

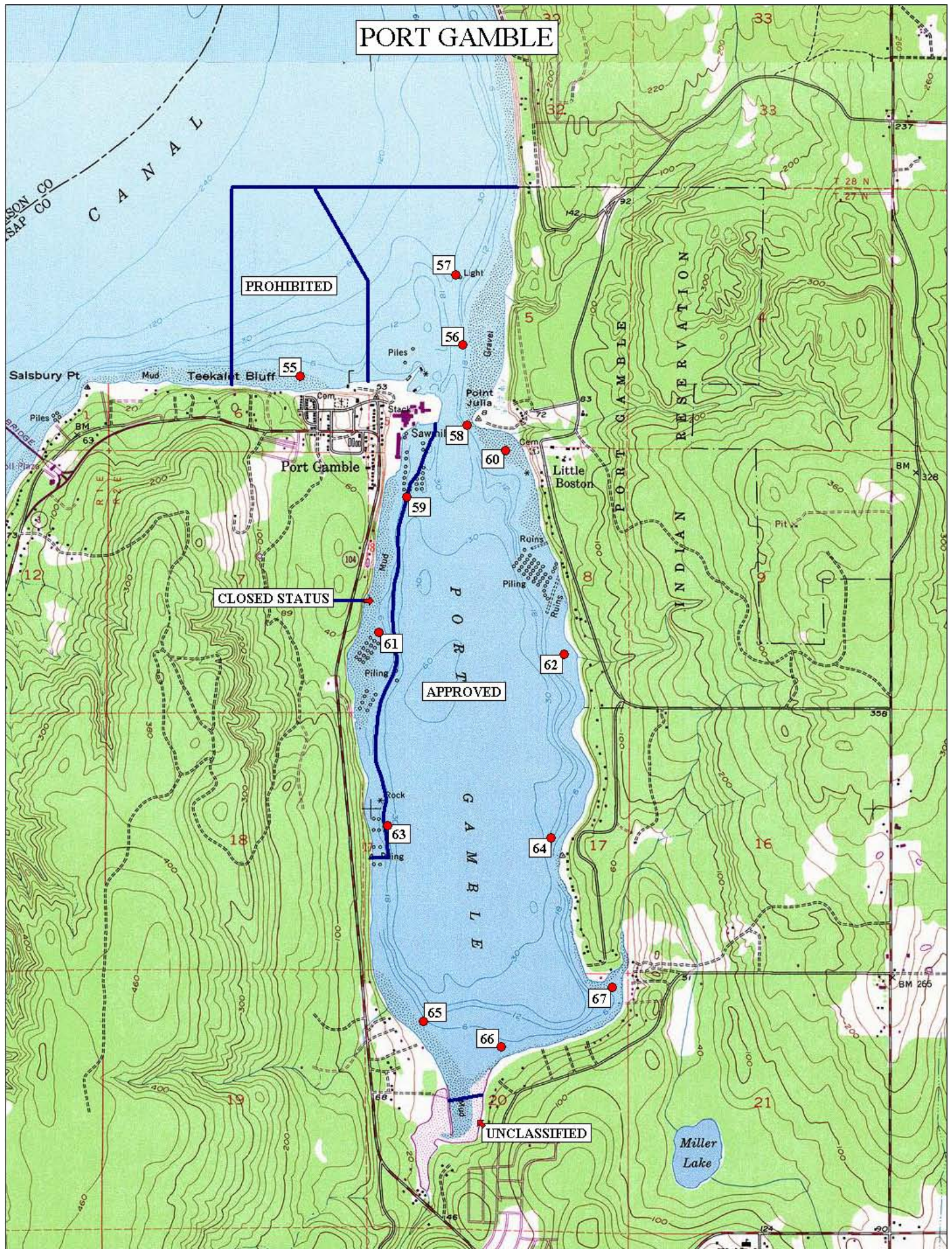
The standard for approved shellfish growing waters is fecal coliform geometric mean not greater than 14 organisms/100 ml and an estimate of the 90th percentile not greater than 43 organisms/100 ml. The above table shows bacteriological results in relation to program standards.

Table 2**SUMMARY OF SHELLFISH GROWING AREAS
WATER QUALITY STUDY RESULTS**Growing Area: **PORT GAMBLE**Sampling Station Number: **67**Classification: **Approved**

Sample Date	Sample Time	Tide	Fcoli/100ml	Temperature	Salinity
12/18/2000	09:21	Flood	1.7	8	24
02/12/2001	10:38	Ebb	1.7	8	28
04/16/2001	10:45	Flood	1.7	10	26
06/18/2001	10:45	Flood	2	14	30
08/21/2001	12:59	Ebb	2	12	32
09/18/2001	11:20	Ebb	70	12	29
12/10/2001	10:49	Flood	4.5	8	25
02/05/2002	10:44	Flood	1.7	7	26
03/18/2002	10:35	Ebb	1.7	6	28
06/03/2002	10:32	Flood	2	12	30
07/08/2002	11:13	Flood	1600	9	12
09/30/2002	11:18	Flood	1.7	12	30
12/09/2002	12:54	Ebb	1.7	8	28
02/03/2003	12:34	Ebb	6.8	9	7
04/21/2003	10:07	Ebb	2	10	16
06/17/2003	10:34	Ebb	4.5	14	29
07/29/2003	09:52	Ebb	13	16	30
09/29/2003	10:50	Ebb	17	13	30
12/08/2003	11:01	Ebb	2	7	19
01/12/2004	10:54	Ebb	7.8	6	15
04/05/2004	11:05	Ebb	1.7	9	25
06/22/2004	11:11	Ebb	70	16	28
08/03/2004	10:17	Ebb	17	15	30
10/11/2004	11:15	Flood	2	12	30
12/13/2004	13:51	Flood	7.8	8	28
05/23/2005	10:10	Ebb	7.8	12	28
06/14/2005	10:48	Flood	2	13	30
07/06/2005	14:37	Flood	4.5	14	30
07/18/2005	11:21	Flood	31	16	30
10/24/2005	11:24	Flood	7.8	10	29
12/19/2005	11:25	Ebb	6.8	7	24

Number of Samples: 31**Geometric Mean: 5.5****Range: 1.7 - 1600****Estimated 90th Percentile: 39**

PORT GAMBLE



Most recent five-year trend in fecal coliform pollution.

